

UTAH OIL AND GAS CONSERVATION COMMISSION

m

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd _____*Location abandoned - well never drilled*DATE FILED **8-15-83**

LAND: FEE & PATENTED _____ STATE LEASE NO. _____

PUBLIC LEASE NO. **U-48366**

INDIAN _____

DRILLING APPROVED: **8-16-83 OIL**

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR. _____

PRODUCING ZONES. _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: **2-6-84 LA**FIELD: **3/86 WILDCAT**

UNIT: _____

COUNTY: **SAN JUAN**WELL NO. **CAVE CANYON # 1-A**API # **43-037-30925**LOCATION **820' FNL** FT. FROM (N) (S) LINE. **1820' FWL**FT. FROM (E) (W) LINE. **NE NW**

1/4 — 1/4 SEC

24

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

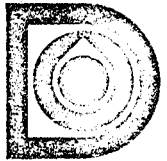
OPERATOR

38S**24E****24****DAVIS OIL COMPANY**

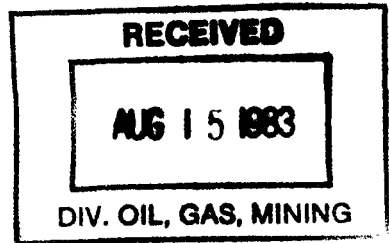
DAVIS OIL COMPANY

410 — 17TH STREET, SUITE 1400
DENVER, COLORADO 80202-4472
TELEPHONE: 303-623-1000

NEW ORLEANS
HOUSTON
TULSA



August 10, 1983



MMS
P.O. Box 3524
Durango, CO 81301

RE: #1-A Cave Canyon Unit
NENW Sec. 24, T38S, R24E
San Juan County, Utah

Gentlemen:

Enclosed please find for your approval, an original and three copies of the Application for Permit to Drill, together with four copies of the Staking Plat covering the drilling of the captioned proposed test.

✓ By carbon copy of this letter to Department of Natural Resources, Division of Oil & Gas, we are furnishing them with a copy of our application and staking plat.

Your early attention to the approval of said application will be appreciated.

Very truly yours,

DAVIS OIL COMPANY

Michelle Hiller

Michelle Hiller
Executive Secretary

/mh
Enclosures

cc: Department of Natural Resources

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

DAVIS OIL COMPANY

3. ADDRESS OF OPERATOR

410 17th Street, Suite 1400, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface ☒ NENW Sec. 24, T38S, R24E

At proposed prod. zone

820' FNL, 1820' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

22 miles northwest to Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 550' north
(Also to nearest drilg. unit line, if any)

16. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NONE

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH 5700'

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4833' GR, 4838' KB

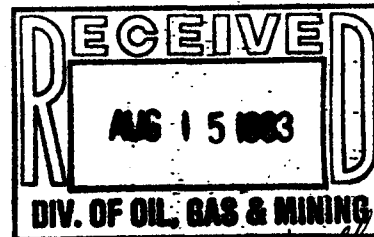
22. APPROX. DATE WORK WILL START*

Upon approval

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36# K-55	STC(NEW)	0-1500' 400 sxs. est.
8 3/4"	5 1/2"	15.5# K-55	LTC(NEW)	0-5700' 400 sxs. est.

CONDUCTOR: 26" 0-30' corrugated pipe. Cement with 3 yards Redi mix to surface.



(SEE TEN POINT PROGRAM)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8-16-83
BY: [Signature]

See attached stipulation for approval of water for use at the drilling site.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Ed Lafaye

TITLE Chief Geologist

DATE 8/10/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

COMPANY DAVIS OIL COMPANY

LEASE CAVE CANYON UNIT WELL No. 1-A

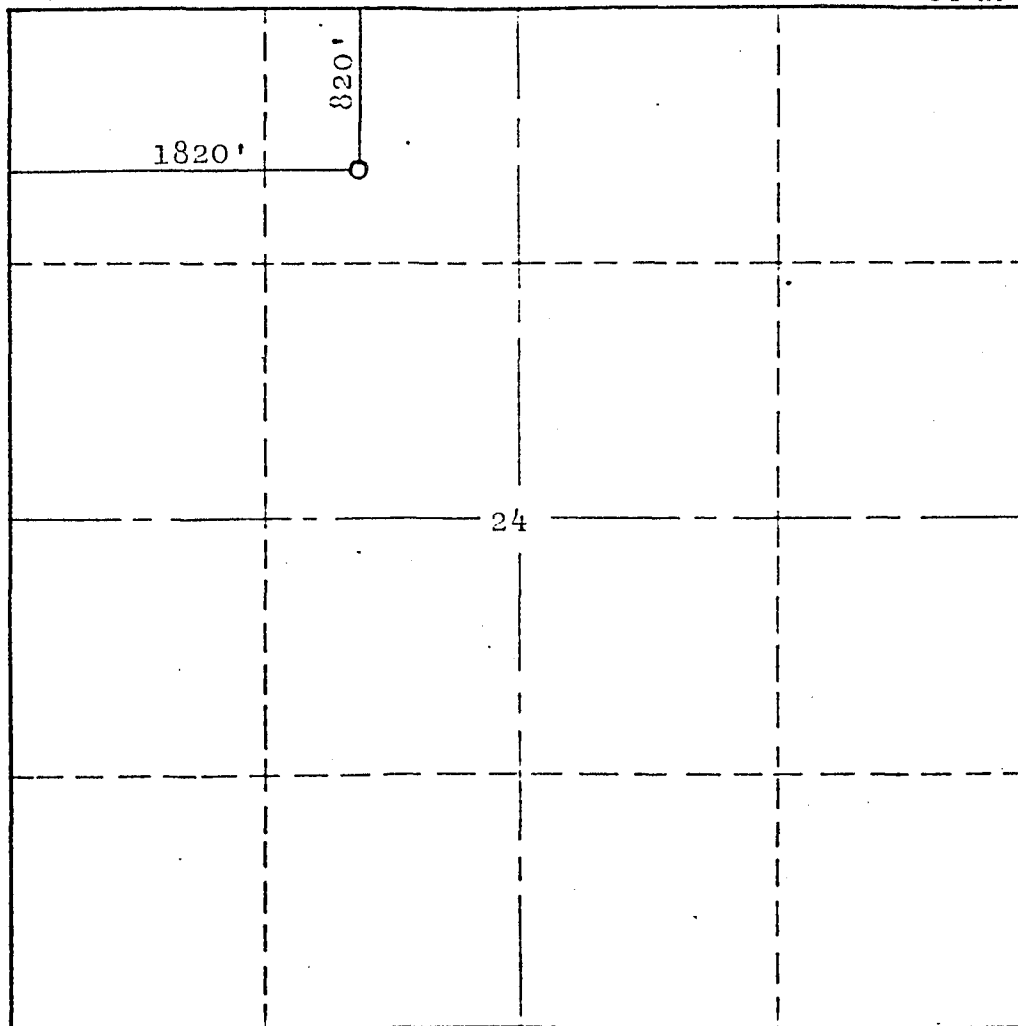
SECTION 24 T. 38 S., R. 24E., S.L.B.M.

LOCATION 820 feet from the north line
1820 feet from the west line

ELEVATION 4833 (Ungraded)
USGS Datum

SAN JUAN COUNTY

UTAH



The undersigned, KROEGER ENGINEERING COMPANY, hereby certifies that the above plat was prepared from field notes of actual surveys made by them, and that the same are true and correct to the best of their knowledge and belief.

DATE: July 28, 1983

KROEGER ENGINEERING COMPANY

By: Allison L. Kroeger
Allison L. Kroeger, PLS
Utah Reg. No. 6159

TEN POINT PROGRAM

1. SURFACE FORMATION: Quaternary Alluvium

2 ESTIMATED TOPS: (Water, Oil, Gas or Mineral bearing formations)
& 3

Kayenta	surface	sand, water, oil
Chinle	1428'	shale
Shinarump	2245'	sand, water, gas
Cutler	2405'	silt, shale
De Chelly	2506'	limestone, shale
Honaker Trail (Hermosa)	4312'	limestone, sand, shale, water, oil, gas
Ismay (Upper)	5334'	limestone, dolomite, water, oil, gas
Lower Ismay	5481'	limestone, dolomite, water, oil, gas
Desert Creek	5544'	limestone, dolomite, water, oil, gas
Mound	5615'	limestone, dolomite, water, oil, gas
Akah	5666'	salt
Total Depth	5700'	

4. CASING PROGRAM:

Hole Size	Csg. Size	WT., lb/ft.	Grade	Thread	New/Used	Interval	Safety Factors		
							T	C	B
26"	21"	Corrugated Pipe			New	0-30'	-	-	-
12 1/4"	9 5/8"	36	K-55	STC	New	0-1500'	7.83	2.87	1.76
8 3/4"	5 1/2"	15.5	K-55	LTC	New	0-5700'	2.7	1.4	1.25

B. Conductor pipe will be cemented to surface with 3 yards Redi-Mix. Surface casing to be cemented with approximately 400 sxs. Class G cement to surface. Light cement may be used if hole conditions dictate it is required. Surface casing will be cemented with 1" pipe from surface if there are no cement returns. Production casing will be cemented with approximately 400 sxs. Class G cement. Anticipated top of cement is 4000 feet or 200' above zones proven to be commercially productive.

C. Surface casing will be pressure tested to 2000 PSIG. Production casing will be pressure tested to 3850 PSIG.

5. Pressure Control Equipment: (See attached schematic diagram)

BOP's and choke manifold will be installed and pressure tested before drilling out from under surface casing. Ram type preventers and related pressure control equipment will be pressure tested to 2000 PSI. BOPE will be pressure tested every 30 days and will be checked daily as to mechanical operating condition.

6. Mud Program:

0-1500' fresh water spud mud 8.6 ppg

1500-4000' gelled water 8.7-9 ppg

4000-5700' LSND Maximum mud weight 9.7 ppg based on offset well information 35-45 viscosity 10 cc water loss 10 PH.

Sufficient mud materials to build an active system will be available at the well site.

7. Auxilliary Equipment:

1. Upper kelly cock
2. Drill pipe float
3. Monitoring of the mud system will be by a pit volume totalizer and flow sensor.
4. A sub on the floor with a full opening safety valve to be stabbed into the drill string when the Kelly is not in the string.

8. Logging:

DIL - SFL from TD to surface casing.
BHC Sonic-GR/ with Cal. from TD to surface casing.
FDC-CNL-GR with Cal. from TD to 4000'.

Coring:

NONE

Testing:

1 DST Desert Creek

PLANNED COMPLETION AND STIMULATING PROCEDURES: (Ex. proposed completion zone, acidizing, and fracturing programs):

Stimulation:

Desert Creek Formation - acidize with 5000 gallons HCL.

9. Abnormal Pressure: This firm does not anticipate any abnormal pressure of temperatures or any other hazards. This is based on previous geological data from nearby wells.

ESTIMATED BOTTOMHOLE PRESSURE: 2850 PSI

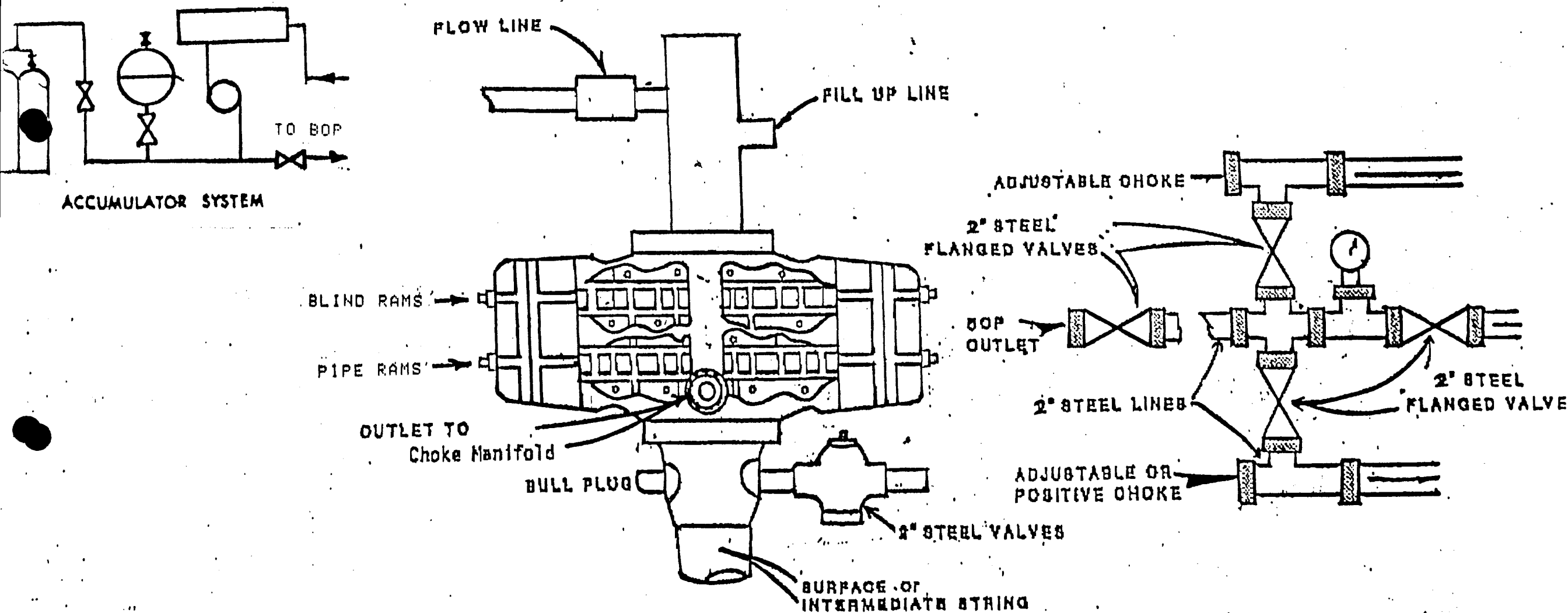
ESTIMATED MAXIMUM SURFACE PRESSURE: 969 PSI

10. Anticipated starting date: Within 30-45 days from Government approval.

Duration of operation: 30-60 days.

BOP AND CHOKE MANIFOLD SCHEMATIC

3000 PSI WORKING PRESSURE



1. Handwheels will be installed and labeled for the manual operation of rams.
2. The minimum acceptable accumulator system will be a 40-gallon 2-station unit and fireproof hydraulic lines to BOP's.
3. The location of the accumulator will be on ground level with labeled controls.

OPERATOR DAVIS OIL CO DATE 8-16-83

WELL NAME CAVE CANYON 1-A

SEC NENW 24 T 38S R 24E COUNTY SAN JUAN

43-037-30925
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Unit has not been approved
no oil wells within 1000'

✓ CHIEF PETROLEUM ENGINEER REVIEW:

8/16/83

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

A copy of the Utah Division of Water Rights
(801-533-6071) approval for use of water at
the drilling site must be submitted to this
office prior to spudding, otherwise this drilling
approval is void.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER *NO*

☐ UNIT *NOT YET*

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

August 16, 1983

Davis Oil Company
410 17th Street, Suite # 1400
Denver, Colorado 80202

RE: Well No. Cave Canyon # 1-A
NE NW, Sec. 24, T. 38S, R. 24E.
820' FNL, 1820' FWL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3 (B), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use of water at the drilling site shall be submitted to this office, otherwise authority to drill this well is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30925.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/cf
cc: Oil & Gas Operations

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other
2. NAME OF OPERATOR
DAVIS OIL COMPANY
3. ADDRESS OF OPERATOR
410 17th St., #1400, Denver, CO 80202
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
NENW Sec. 24, T38S, R24E
AT SURFACE:
AT TOP PROD. INTERVAL: 820' FNL, 1820' FWL
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON* ☐ ☐

(other) CHANGE OF PLANS

5. LEASE
U-48366
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Cave Canyon Unit
8. FARM OR LEASE NAME
9. WELL NO.
#1-A
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 24, T38S, R24E
12. COUNTY OR PARISH
San Juan
13. STATE
Utah
14. API NO.
43-037-30925
15. ELEVATIONS (SHOW DE KDB, AND WD)
4833' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PLEASE BE ADVISED THAT DAVIS OIL COMPANY HAS DECIDED NOT TO DRILL THE ABOVE CAPTIONED WELL.

THERE WAS NO SURFACE DISTURBANCE DONE.

RECEIVED
FEB 8 1984

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED Ed Lafaye TITLE Chief Geologist DATE 2-6-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

3162 (U-065)
(U-48366)

Moab District
P. O. Box 970
Moab, Utah 84532

DEC 04 1984

Davis Oil Company
410 17th Street, Suite 1400
Denver, CO 80202

Re: Application for Permit to Drill
Well No. Cave Canyon Unit 1-A
Sec. 24, T. 38 S., R. 24 E.
San Juan County, Utah
Lease U-48366

Gentlemen:

The referenced Application for Permit to Drill was received on August 15, 1983. Deficiencies in the APD were pointed out to you by letter on August 19, 1983. These deficiencies were due to lack of Designations of Operator from the Lessees of Record Title, and bonding requirements.

As of this date our records indicate that these items have yet to be provided. We are therefore returning your application unapproved.

If you have future plans of drilling this well, a new APD will have to be submitted, along with the deficient items identified.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely,

/s/ GENE NODINE

District Manager

Enclosure:
Application for Permit to Drill

cc: San Juan Resource Area

CFreudiger/cf 12/3/84

bcc: State of Utah, ✓
Division of Oil, Gas & Mining

RECEIVED
DEC 06 1984

DIVISION OF
OIL, GAS & MINING

Freudiger 12/13

J Davis 12/13/84

C. Freudiger 12/13/84